SHCHUKAREV, S.A.; BALICHEVA, T.G.; BORCHA, K.Ya.; KUKHAREVA, M.A.

Infrared absorption spectra of anhydrous sulfuric and orthophosphoric acids. Vest. IGU 19 no.4:147-151 '64.

(MIRA 17:3)

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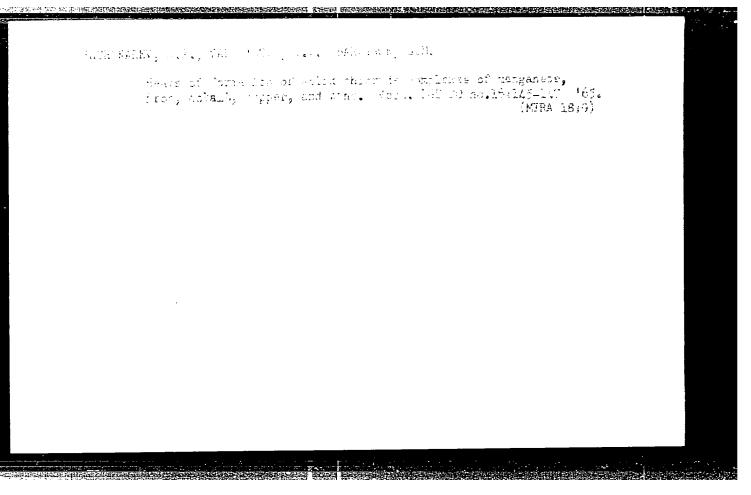
Formation conctants of complex pariadium (II) indides. Vest.

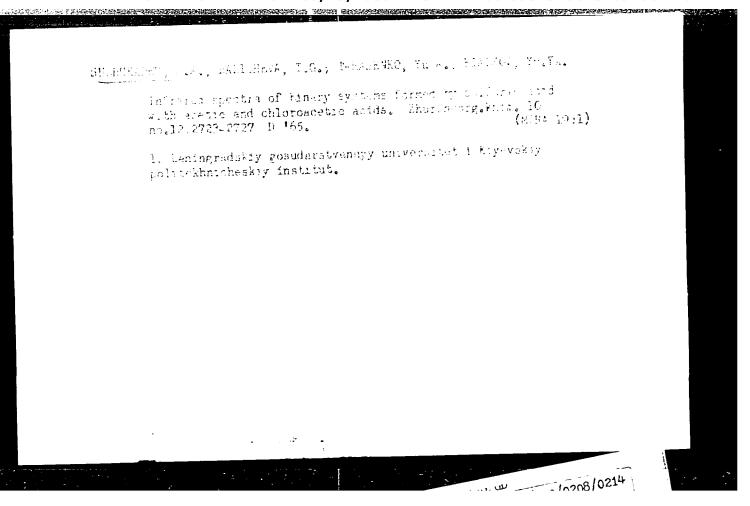
IGU 20 no.4:149-150 165.

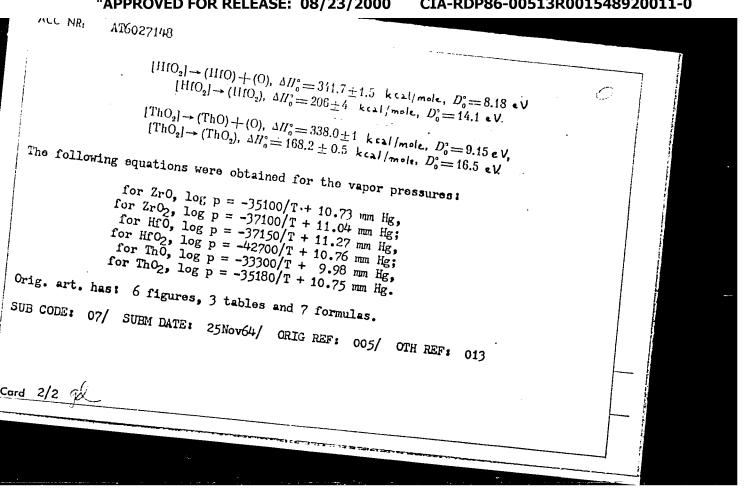
(MIRA 18:4)

DANILOV, S.N., glav. red.: ZAKHAROVA, A.I., red.; ARBUZOV, A.Ye., red.; VVEDERSKY, A.A., red.; VENUS-DANILOVA, E.D., red.; IOFFE, I.S., ret., KAVERZNEVA, Ye.D., red.; LUTSENKO, I.F., red.; MISHCHENKO, K.F., red.; NEMTSEV, M.S., red.; PETROV, A.A., red.; FREYDLINA, R.Kh., red.; SHEMYAKIN, R.M., red.; SHCHUKAREV, S.A., red.; YUR'YEV, Yu.K., red.

[Problems of organic synthesis] Problemy organicheskogo pinteza. Moskwa, Nauka, 1965. 323 p. (MIRA 18:8)







10 mm
CC NR: ATGOLY043 (A) SOUNDS COURS: GROWYS/CG/011/GG2/0233/0236
Taon: Sachukarov, S. A.; Semenov, G. A.; Frantseva, K. Ye.
NG: Leningrad State Order of Lenin University im. A. A. Zadanov (Leningradsziy egudarstvonnyy ordena Lenina universitet)
ITLE: Thormodynamic study of evaporation of the lower exides of niebium
DURCE: Znurnal neorganicheskoy knimii, v. 11, no. 2, 1966, 233-236
PRIC TAGS: niobium compound, thormodynamic analysis, mass spectrometry, x ray
ion of Nb oxides (Zh. neorg. khimii, 4, 2633, 1959; Tav. vysch, ucheba. maved. khim. khim. tekhnologiya, 5, 691, 1962; and Ioki. AN SSER, 145, 119, 1962) attempting to valuate quantitatively the parameters of the processes accompanying the evaporation rothed and NbO2 and consisting of measuring the vapor pressure by the effusion method ith simultaneous mass-spectrometric analysis of the products of evaporation. The study of the evaporation of NbO at 1600-22000 under equilibrium conditions substantiated the conclusions of the previous works regarding the presence of NbO and NbO2 molecules in the gas phase. At temperatures of >23000 Nb <sup>4</sup> ions were observed in the effusion chamber after complete disappearance of the ion currents of NbO2 and NbO4. The heat of sublime-
Card 1/3 UEC: 546.832.2/.5-31: 536.7

ACC NR: AP6019043

tion of Nb (AH2980 = 173 kcal/g-at), which agreed well with the literature data (171.3 kcal/g-at), was determined from the angular coefficient of the curve log(IT . T) = f(1/T) plotted after measuring the dependence of the intesity of Not on temperature. I-ray phase analysis of the residue left effect evaporation desceted the presence of n-ray phase analysis of the residue fort east. Comparation detected the presence of NeO and No and no NbO<sub>2</sub> in the solid phase. Therefore, the evaporation of NbO consisted of the following reactions: NbO<sub>2</sub> polid, liquid (NtO) and 2NbO<sub>3</sub> polid, liquid (NtO<sub>2</sub>) + [Nb]. The part of each reaction in the evaporation of NtO was determined as σγηρο (CγNbO<sub>2</sub> = 2 : 1, part of each reaction of NtO<sub>2</sub> at 1500 - 21000, the mass spectrum indicated the presence of the standard of NtO<sub>2</sub> and subgradients NtO<sub>3</sub> and subgradients NtO<sub>3</sub> at 1500 - 21000, the mass spectrum indicated the presence of the standard of NtO<sub>3</sub> and subgradients NtO<sub>3</sub> at 1500 - 21000, the mass spectrum indicated the presence of the standard of NtO<sub>3</sub> and subgradients NtO<sub>3</sub> at 1500 - 21000, the mass spectrum indicated the presence of the standard of NtO<sub>3</sub> at 1500 - 21000 and subgradients NtO<sub>3</sub> at 1500 - 21000 at 1500 - 21000 at 1500 of predominant NbO2 and subordinate NbO in amounts varying from fractions of 1% at 15000 to 7-8% at 22000. The x-ray phase analysis detected only Nobe in the solid phase. It was thus concluded that two reactions were present during the evaporation of NBO: NBO2 solid, liquid (NBO2) and NBO2 solid, liquid (NBO) + (0). The vapor pressures of the compenents of these two reactions were measured. The results agreed with 5% accuras compenents of these two reactions were measured. racy) with cata from provious investigations. The heat of sublimation of the NoO and NbO<sub>2</sub> molecules and the energies of their dissociation were calculated for NbO<sub>3</sub> as NbO<sub>2</sub> molecules and the energies of their dissociation were calculated for NbO<sub>3</sub> as  $\Delta$  NbO<sub>2</sub> molecules and the energies of their dissociation were calculated for NbO<sub>3</sub> as  $\Delta$  NbO<sub>2</sub> and NbO<sub>3</sub> as  $\Delta$  NbO<sub>3</sub> as  $\Delta$  NbO<sub>3</sub> and Nb 22 kcal/mole, respectively. The equation of free energy of the gascous Noo2 and Noo from the demonts can be written as

 $\Delta F_{(NEO)}^{0} = -54300 - 4.57^{\circ}; \quad \Delta F_{(NEO)}^{0} = 49500 - 23.4T$ 

APPROVED FOR RELEASE: 08/23/2000

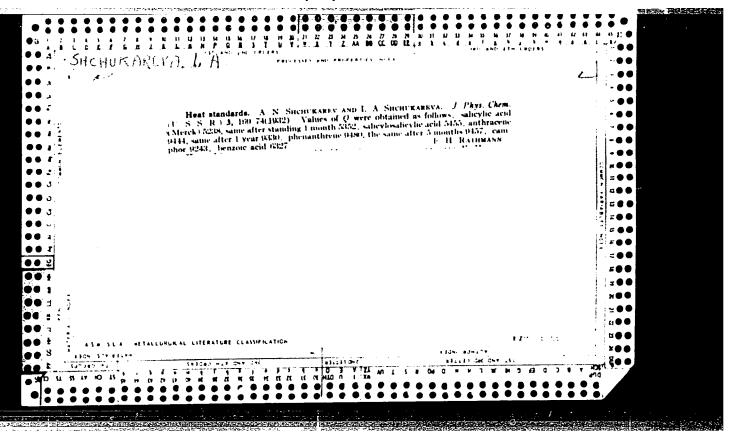
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to analogy chank L. V. Gurovich and Parmodynamic potentials of condense fig., 6 formulas, and 1 table.	i G. A. Khachkurum d and gascous Mil	ova for the g ಮೂ ಗಿರಿಕ್ಕಾ	coloulation of the Drig. art. hes:	
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GOROSHNIKOV, B.I.; EMHURI, V.S.; MURKLEV, G.V.; MARCHED RO, Ye.Ya.; SKOLAROVIKAYA, L.A.; GURCHEN, A.I.; SHCHURISHVA, L.A.; YURK, YU.'u.', doktor geol.-miner. Mark, prof.; YE MYEV, L.E.; SERDYUK, C.F., red.

[Granitoid rocks in the Azov Sea region and prospects for using them in the ceremic and rhads industries] Granitoid-nye porody Priadovia i percentity ikh ispolizovania v keramichesko i otekolinom proizvodutvakim fod red. Iu. Iu. turka. Kiev, Baukova dusko, 1964. 142 p. (FIFA 17:9)

1. Akademiya nauk UROR. Kiev. Instytut mineral'rykh resursiv.



SHCHUKAREVA, L. A. Improving the properties of sanitary-ware slips by means of a combination peptizer. G. V. Kukolev and L. A. Shchukareva. Steklo i Keram., 10 [7] 15-16 (1953).—The combination peptizer consisted of a water-glass extract of humic acids from peat or. "brown coal, in which the ratio of humic acids to Na<sub>2</sub>O was 1:4." In comparison with a mixture of water glass and soda, it reduces the moisture of sanitary-ware slips by 2 to 3%, decreases the amount of alkali in the mix, reduces consumption of water glass, increases the life of gypsum molds, and accelerates considerably (50%) the formation of the shape in the molds. Long-lasting patterns containing caustic magnesite for gypsum molds. M. A. MATVEEV. Steklo i Keram., 10 [11] 16-18 (1953).—The mix should contain caustic magnesite 60, finely ground sand (marshallite) 30 to 34, and powdered asbestos 6 to 10%. Residues of magnesite, sand, and asbestos should not exceed 10, 5, and 3% on sieves having 4900, 6400, and 900 openings per cm.3. Reduction of the specific gravity of magnesite from 1.3 to 1.2 decreases the setting time from 6 to 3 hr. but lowers the strength almost half. Optimum drying time is 3 hr. at 100°. Strength increases during storage.

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Studying properties of hydrated kaoline films in relation to pressure. Trudy KhPI 31 no.1:5-9 159. (MIRA 13:10) (Kaolin-Testing)

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THE CONTROL OF THE PROPERTY OF

[Coupling systems for automobiles and tractors; design, theory, and calculation] Steepnye ustroistva avtomobilei i tiagachei; konstruktsiia, teoriia i raschet. Moskva, Gos.nauchno-tekhn. izd-vo mashinostroit.lit-ry, 1961. 206 p.

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SO: Sum. No. 481, 5 May 55

SHCHUKARBVA, N.K., kandidat meditsinskikh nauk (Leningrad, ul. Krasnogo Tekstil shchika, d. 3/10 kv.5)

Evaluation of clinical groups of patients with cancer. Vop.onk. 1 no.3:56-59 155. (MIRA 10:1)

1. Iz otdela nauchnogo ucheta Instituta onkologii AMN SSSR (direktor chlen-korrespondent AMN SSSR prof. A.I.Serebrov. zaveduyushchiy otdelom - starshiy nauchnyy sotrudnik A.V.Chaklin)
(NEOPIASMS,
grouping of patients with various forms of cancer)

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SHCHUKAREVA, N.K. (Leningrad, ul, Krasnykh tekstil'shchikov, d.3/10 kv.5)

Soft tissue fibrosarcoma of the leg stump with regional metastasis [with summary in English] Vop.onk. 2 no.3:361-363 '56. (MLRA 9:10)

1. Iz 2-gc khirurgicheskogo otdeleniya (zav. - prof. A.I.Rakov)
Instituta onkologii AMN SSSR (dir. - prof. A.I.Serebrov)

(AMPUTATION STUMPS, neoplasms
leg., fibrosarcoma of soft tissue with regional
metastasis, surg.)

(FIBROSARCOMA
soft tissue of amputation stump of leg with regional
metastases, surg.)

(LEG, neoplasms
soft tissue fibrosarcoma of amputation stimp, with regional
metastases, surg.)
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RAKOV, A.I.; SHEMYAKINA, T.V. SHCHUKAREVA, N.K.; IVANOV, G.G.

Gastric function in precancerous stages and cancer of the stomach [with summary in English] Vop. onk. 3 no.1:42-49 '57 (MIRA 10:4)

1. Iz I khirurgicheskoy kliniki (zav.-prof. S.A. Kholdin), iz II khirurgicheskoy kliniki (zav.-prof. A.I. Rakov) i kinicheskoy laboratorii Instituta onkologii AMN SSSR (dir.-chl.-korr. AMN SSSR prof. A.I. Serebrov) Adres avtorov: Leningrad, 129,2-ya Berezovaya alleya, d. 3, Institut onkologii AMN SSSR. (STOMACH NEOPLASMS, physiol.

gastric secretion during cancer & in precancerous stages)
(GASTRIC JUICE, physiol in various dis.
secretion during cancer & in precancerous stages)

SHCHUKAREVA, N.K. (Leningrad, 124, ui. Krasnogo Tekstil'shchika, d.3/10, kv.5)

Intrapulmonary hamartoma. Vop.onk. 5 no.11:609-613 '59. (MIRA 14:7)

1. Iz II khirurgicheskogo otdeleniya (zav. - prof. A.I.Rakov)
Instituta onkologii AMN SSSR (dir. - deystvitel'nyy chlen AMN SSSR prof. A.I.Serebrov).

(LUNGS-TUMORS)

SHCHUKAREVA, N.K.

Case of surgical treatment of solitary metastasis of cancer of the rectum into the lung. Vop. onk. é no. 10:86-90 0 '60.

(MIRA 14:1)

(RECTUM—CANCER) (LUNGS—CANCER)

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SHCHUKAREVA, N.K. (Loningrad, ul.Krasnykh tekstil'shchikov, 3/10.kv.5)

Pulmonary plasmocytoma. Grud. khir. 1 no.4:91-94 J1-Ag '59.
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(LUNGS-TUMORS)
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SHOHUKAREVA, N. K. (Leningrad, C-124, ul. Krasnykh Tekstil'shchikov, d. 3/10, kv. 5); VAGNER, R. I.

Prescalene biopsy in cancer of the lung. Grud. khir. 4 no.3: 22-26 My-Je '62. (MIRA 15:7)

1. Iz 2-go khirurgicheskogo otdeleniya (zav. - chlen-korrespondent AMN SSSR prof. A. I. Rakov) Instituta onkologii (dir. - deystvitel'nyy chlen AMN SSSR prof. A. I. Serebrov) AMN SSSR.

(LUNGS-CANCER) (CHEST-BIOPSY)

SHCHUKAREVA, N. K.

Clinical anatomical characteristics of bronchial cancer with a branching form of growth. Vop. onk. 8 no.5:61-72 '62. (MIRA 15:7)

1. Iz 2-go khirurgicheskogo otdeleniya (zav. - chl. korr. AMN SSSR, prof. A. I. Rakov) Instituta onkologii AMN SSSR (dir. - deystv. chl. AMN SSSR, prof. A. I. Serebrov)

(BRONCHI\_\_CANCER)

SOKOLOVA, N.M.; KASATKINA, N.M.; SHCHUKAREVA, N.K.; LEVKOVICH, Yu.I.

Laboratory diagnosis of candidiasis in patients with malignant . tumors. Vop. onk. 9 no.8:49-54 \*63 (MTRA 17:4)

1. Iz kliniki-diagnosticheskoy laboratorii (zav. - dotsent I.F. Grekh) Institutaon.cologii AMN SSSR (direktor - deystvitel nyy chlen AMN SSSR prof. A.I. Serebrov. Adres avtorov: Leningrad, P-129, 2-ya Berezovaya alleya, 3, Institut onkologii AMN SSSR.

SHCHUKAREVA, N.K. (Leningrad, S-124, ul. Krasnykh tekstil'shchikov, d.3/10, kv.5)

Nature of the growth and metastatic spreading of pulmonary cancer to regional lymph nodes. Vop. onk. 10 no.9:8-16 64.

(MIRA 18:4)

1. Iz II khirurgicheskogo otdeleniya (zav. - chlen-korrespondent AMN SSSR prof. A.I.Rakov) Instituta onkologii AMN SSSR (dir. - deystvitel'nyy chlen AMN SSSR prof. A.I.Serebrov).

SHCHUKAREVA, N.K. (Leningrad, S-12%, ul. Krasnogo Tekstil'shchika, d.3/10, kv.5)

Polypoid cancer of the lung. Vop. ork. 10 no.5:24-31 '64.

(MIRA 17:8)

1. Iz II khirurgicheskogo otdeleniya (zav. - chlen-korrespondent AMI SSSR prof. A.I.Rakov) Instituta onkologii AMI SSSR (cir. - deystvitel'nyy chlen AMI SSSR prof. A.I.Serebrov).

Feestlike fungt of the genus and in patients with madig an empore. Vop. 10.1026-25; 1-5. (M.SA 1818)

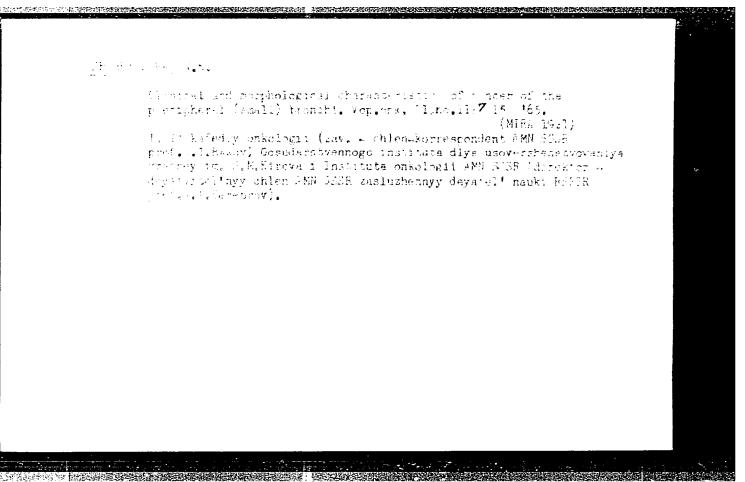
1. L. Klunikt-diagnostichesky laboratorii (zam. - diasett I.f. Gr. Full institute vekelight AMN SYSR (direkter - deganic vitry) inter 4MK SYSR prof. A.l. derenbol.

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1. A ye khirtung chaskoya rusa endye (namu ekherukorrespondent ANN 1888 prof. A.I. Bekov) instituta onkologii (dir.-daystvitel'nyy chisc ANN 888R prof. A.I. Serabrov, ANN 888R, Leningrad.

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Serological diagnosis of randidiasis in patients with malignant neoplasms. Vop. onk. on no.3 52-52 ltg. (MIRA 18:11)

-1. Iz kliniko-diagnostioneskoj laboratorii (zav. = dotsent I.F.Grekh) Instituta onkoligii &MN SSSR (direktor = deystvitel = nyy ohlen AMN SSSR | prof. A.i.S-r.stroij.
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SHCHUKAREVA, N.K., kand.med.nauk (Leningrad, ul. Krasnykh tekstil'shchikov, d.3/10 kv.5)

Coelomic cyst of the mediastinum. Vest.khir. 83 no.9:113-116
S'59. (MIRA 13:2)

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(MEDIASTINUM, case reports)
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SHCHUKIN, A.A.; SHCHUKIN, A.A., mladshiy.

Comparison of gas and electric heating systems in industrial

THE A LEGISLA DESCRIPTION OF THE PROPERTY OF T

furnaces. Gaz.prom. 5 no.6:20-28 Je '60.
(MIRA 13:6)

(Furances) (Gas as fuel) (Heating)

USSR/Engineering Jul 48

Furnaces, Cas
Furnaces, Oll

"Conversion of Heating Forge Furnaces From Fuel
Oil to Low Calorie Producer Cas," A. A.
Shchukin, Cand Tech Sci, 4 pp

"Za Ekon miyu Topliva" No 7

Explains advantages of scheme, and describes how
it is carried out. Gives trial figures for installation.

16/49759

USSR/Engineering Furmates	Oct 48	
Heating		
Constantion of Gas Jeto A. A. Shchukin, Cand T	for Hosting Gas and Air," Fech Sci, 4 pp	
"Za Ekonomiyu Topliva"	" Vel V, No 10	
Dispuses efficiency of furnecity with prohesistic air.	of using high-preserve jets in ting of generating gas and	-
35	1,3,/1,9 <b>T</b> 45	

ANDREYEV, S. Yo.; BOKIY, B. V.; GORODETSKIY, P. I.; CREYVER, N. S.; SHCHUK IN, A. A.
GENOUTI'VEV, V. I.; SECCHIDISKIY, A. A.; TERPIGCREV, A. M.; SHEVTAKOY, T. D.;
SPIVAKOVSKIY, A. A.; VERKHOVSKIY, I. M.; VERGIKOV, I. V.; TEALACHIK, G. M.;
KASHIN, N. V.; SLOBODK IN, M. I.; GUZENKOV, P. G.; ZERSKOV, V. D.; HOVIKOV, F. S.
OSETSKIY, V. M.; SOSUNOV, G. I.; YASYUKEVICH, S. M.; KHAN, G. A.; POPOV, V. M.

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(MIRA 8:8)

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LEBHDEV, Panteleymon Dmitriyevich; SHCHUKIN, Aleksey Aleksandrovich;
MURZAKOV, V.V., redaktor; FRIDKIN, A.M., tekhnicheskiy redaktor

[Industrial heat engineering] Promyshlennaia teplotekhnika. Izd.
2-oe, perer. Moskva, Gos. energ. izd-vo, 1956. 384 p. (MIRA 9:9)

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Comparison of gas and electric heating systems in industrial furnaces. Gaz.prom. 5 no.6:20-28 Je '60.

(MIRA 13:6)

(Furances) (Gas as fuel) (Heating)

BANHMACHEVSKIY, Boris Ivanovidia ANH. and Antiran Gustavovich; LYZO, Georgiy Pavlovich; MUCHELL, Lyor' Nikolayevich; SHCHUKIN, Aleksey Aleksandrovich; MATRICIA, T.V., red.izd-va; DOBUZHINSKAYA, L.V., tekhn. red.

等的是是他们的说法是是**是是这些意思的的那样的**就是是我的知识的对称,所以 所见是在这种国际的知识的人的是是我们在我们们是对我们是对我们们的对于对于 可

[Heat engineering; course in general heat engineering]
Teplotekhnika; kurs obshchei teplotekhniki. [By] B.I.Bakhmachevskii i dr. Moskva, Metallurgizdat, 1963. 605 p.

(MIRA 17:2)

BAKHMACHEVSKIY, b.I.; ZAKH, R.G.; SHCHUKIN, A.A.

[General heat engineering; instructions on methods and test assignments for students of other than heat engineering professions of technical correspondence schools of higher learning | Obshchaia teplotekhnika; metodicheskie ukazaniia i kontrol'nye zadaniia dlia studentov neteplotekhnicheskikh spetsial nostei zaochnykh vysshikh tekhnicheskikh uchebnykh zavedenii. Izd.5. Moskva, Vysshaia shkola, 1961. 117 p. (MIRA 17:9)

ECHOVSKIKH, Afanasiy Andreyevich; SHCHUKIN, Aleksandr Grigor'yevich;
VSHIVKOV, F.P., inzh., retsenzent; SHELEKHOV, V.A., inzh.,
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[Operator of a hydraulic press]Mashinist gidravlicheskogo pressa. Hoskva, Mashgiz, 1962. 111 p. (MIRA 15:10)

(Hydraulic presses)

SHCHUKIN, Aleksey Grigor'yevich; SHKCL'NIKCV, Roris Yakovlevich;
ZAVYYALOVA, A.M., red.; MCZGALEVSKAYA, S.A., mlad. red.;
POHOMANEVA, A.A., tekhn. red.; CERASIMOVA, Ye.S., tekhn.
red.

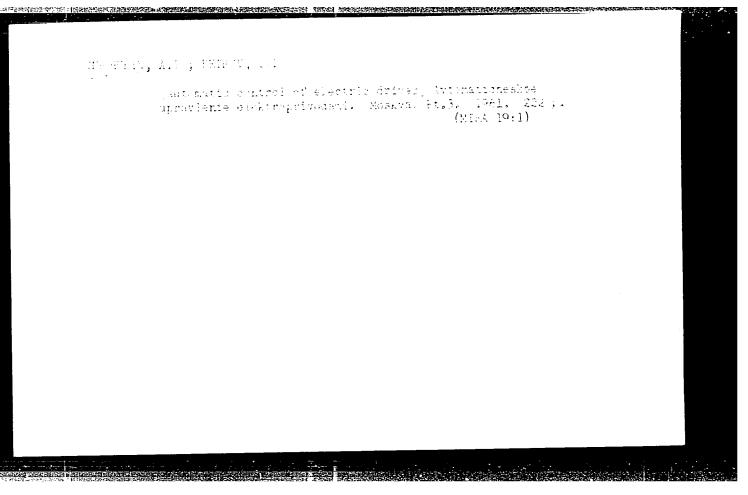
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of local importance] Tekhpromfinplan predpriiati mestnogo
of local importance, Ekonomizdat, 1963. 295 p.

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(Industrial management)

SHCHUKIN, Aleksey Grigor'yevich; SHKOL'NIKOV, Boris Yakovlevich; ZAV'YALOVA, A.N., red.; MOZGALEVSKAYA, S.A., mlad. red.; PONOMAREVA, A.A., tekhn. red.; GERASIL OVA, Ye.S., tekhn. red.

[The technical, industrial and financial plan of the enterprises of local significance] Tekhpromfinplan predpriatii prises of local significance prises of local



SHCHUKIN, A.I., kandidat tekhnicheskikh nauk; FEL' DBAUM, A.A., kandidat tekhnicheskikh nauk.

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(Electric controllers)

1. Vsesoyuznyy elektrotekhnicheskiy institut.

124-1957-2-1515

Translation from Referativnyy zhurnal, Mekhanika, 1957, Nr 2, p 12 (USSR)

AUTHOR Shchukin, A.I.

TITLE

The Generalized Formulas of the Transfer Functions and the Structural Arrangement of Multi-Contoured Servo and Regulating Systems (Obobshchennyye formuly peredatochnykh funktsiy i strukturnyye skhemy mnogokonturnykh sledyashchikh i reguliruyemykh sistem)

PERIODICAL Tr Vses zaoch energ. in-ta, 1955, Nr 6, pp 27-35

ABSTRACT Bibliographic entry

1 Servomechanisms 2. Mathematics 3. Control systems

Card 1/1

KONEY, Yuriy Ivanovich; SHCHUKIN, A.I., redaktor; KUCHUMOVA, K.I., redaktor; KORUZEY, N.N., tekhnicheskiy redaktor

[Grystal triodes in automatic control apperatus] Kristallicheskie triody v ustroistvakh avtomaticheskogo upravleniia. Moskva, Izd-vc "Sovetskoe radio," 1957. 159 p. (MLPA 10:3)

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KARPOV, Aleksey Vladimirovich; RULEV, V.V., inzh., retsenzent; SHCHUKIN, A.I., kand.tekhn.nauk, retsenzent; MASLOVA, Ye.F., red.; KISE-LEVA, A.A., tekhn.red.

[Electric equipment for refrigerators; large-current electric units] Elektrooborudovanie kholodil'nikov; elektroustanovki sil'nogo toka. Moskva, Gos.izd-vo torg.lit-ry, 1960. 207 p.

(MIRA 13:7)

(Refrigeration and refrigerating machinery)

KONEY, Yu.I.; SOTSKIY, B.S., prof., doktor tekhn, nauk, retsenzent;
KUCHUMOVA, K.I., red.; SHCHUKIN, A.I., red.; SMUROV, B.V.,
tekhn, red.

[Application of transistors in sutomatic control] Poluprovodnikovye triody v sytometike, Moskva, Izd-vo "Sovetskoe
radio," 1960. 446 p. (MIRA 13:11)

(Transistors) (Automatic control)

PETROV, I.I., doktor tekhn.nauk, prof.; SHCHUKIN, A.I., kand.tekhn.nauk, dots.; ZUSMAN, V.G., kand.tekhn.nauk, dots., ARZAMASTSEV, P.S., kand.tekhn.nauk, dots.; PANTYUSHEV, G.S., kand.tekhn.nauk; NEVRAYEV, V.Yu., kand.tekhn.nauk; POPOV, G.A., dots.

"Principles of electric driving" by A.T. Golovan. Revised by

"Principles of electric driving" by A.T. Golovan. Revised by I.I. Petrov and others. Elektrichestvo no.8:93-95 Ag '60.

(MIRA 13:8)

(Electric driving)
(Golovan, A.T.)

PETHOV, I.K.; SHCHUKIN, A.I.

Instruments for measuring the moisture content of various products and materials. Priborostroenie no.9:13-16 S '60.

(MIRA 13:9)

(Moisture-Measurement)

SHCHUKIB, A.I.; YAKOBISHVILI, A.2.

Electronic apparatus for determining the moisture content of stiff leather. Kozh.-obuv.prom. 2 no.6:33-35 Je '60.

(MIRA 13:9)

(Moisture--Measurement) (Leather)

BANDZFLADZE, A.Ye.; SHCHLEIN, A.I.

PVUK-1 electronic moisture gauge for coal. Ugol' 36 no.9:34-35 s '61. (MIRA 14:9)

(Coal--Testing) (Gauges moisture--Measurement)

ACCESSION NR: AT4013980

S/3070/63/000/000/0098/0100

AUTHOR: Fedorov, Yu. N.; Serebryakov, A. G.; Kostry\*gina, N. A.; Tsy\*ro, O.L; Shehukin, A. I.

TITLE: The semi-automatic ultrasonic apparatus UKL-2 for inspecting sheet metal for internal defects

SOURCE: Novy\*ye mashiny\* i pribory\* dlya ispy\*taniya metallov. Sbornik statey. Moscow, Metallurgizdat, 1963, 98-100

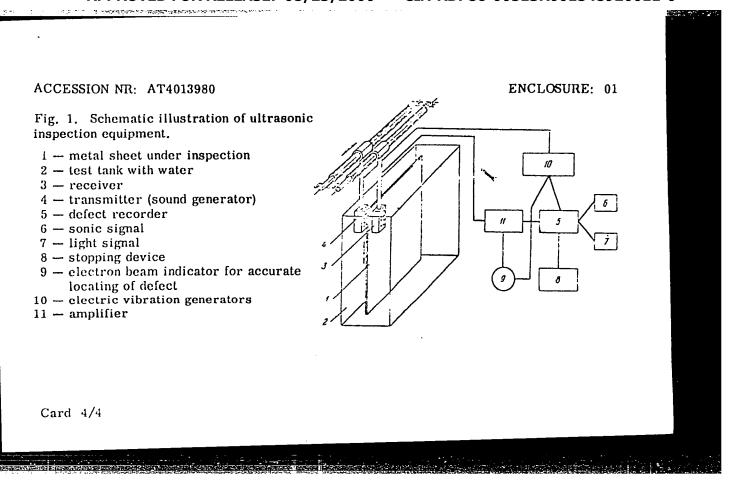
TOPIC TAGS: sheet metal inspection, ultrasonic inspection, piezoelectric transducer, metal defect, metal sheet

ABSTRACT: For detection of internal defects (laminations, non-metallic inclusions) in sheet metal, a semi-automatic immersed ultrasonic inspection device has been developed, in which several pairs of transmitting and receiving piezoelectric transducers are used. The transmitter 4 and receiver 3 are placed symmetrically on opposite sides of the test sheet 1. (See Fig. 1 of the Enclosure.) Water is used as the immersion liquid in the test tank 1. With the aid of power-driven threaded spindles, the transmitter and receiver can be moved horizontally back and forth along the inspected sheet with a speed of 6.8 m per minute. During this movement, the sheet is stationary. At the end of each passage, the transducers Card 1/4

ACCESSION NR: AT4013980

are arrested, and the sheet is raised by the width covered by inspection during one passage. At the detection of a defect, a sonic signal 6, a light signal 7, and an automatic stopping device are triggered simultaneously. The approximate coordinates of the defect can be determined by taking readings on scales. For more accurate locating of the defect, a manual drive and an electron beam indicator 9 can be used. The drive mechanisms for the sheet and the transducers are mounted on the test tank structure. Adjustment is provided for different sizes of sheets to be inspected. All automation and electronic elements are unified in one cabinet, in the upper panel of which the controls are installed. The electric scheme of the installation is described, with some simplifications but in considerable detail. The receiver and transmitter each contain ten piezoelectric transducers, 10 mm in diameter and 1 mm thick. The frequency of ultrasonic vibrations is 2.8 megacycles/sec. The circular quartz plates are arranged in two vertical rows, overlapping 40%, permitting the inspection of a 50 mm wide strip during each horizontal path. The resolving capacity of the installation was determined by examining sheet specimens with artificial defects, represented by flat bottom drillings, not fully penetrating the sheet and closed by plugs of the same material. As a result of these tests, it has been established that the minimum size of a defect detectable by the apparatus is 2.5-3 mm2. However, this size depends on

Cord 2/4



SHCHUKIN, A.I., inzh.

Using the capacitance method for measuring the moisture content of peat. Torf.prom. 40 no.1:20-22 '63. (MIRA 16:5)

1. Smolenskiy filial Nauchno-issledovatel'skogo instituta teploenergeticheskogo priborostroyeniya.

(Peat) (Moisture--Measurement)

AMERICA Torny isanoviru; SECHMENN, A.L., rad.

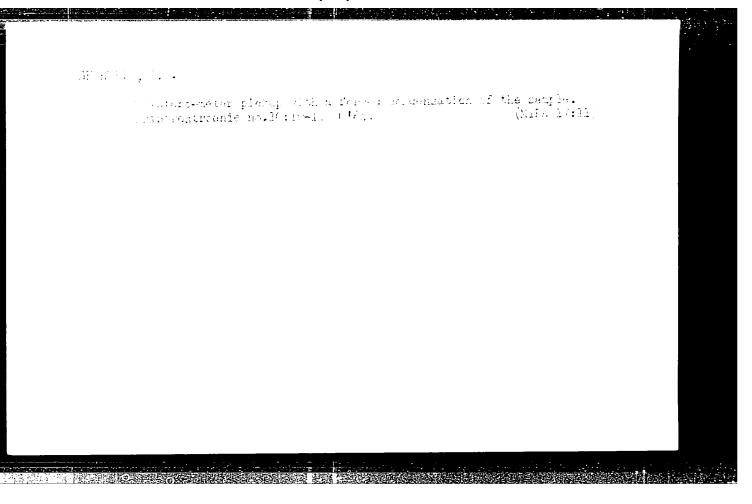
[Transfisiorized pulse devices for controlling electric notices and electromagnatic sectionisms; Translatoriya injustically interest now include a new relations; Translationis is an electromagnitary machinerized as a locate, Energita, 2001.

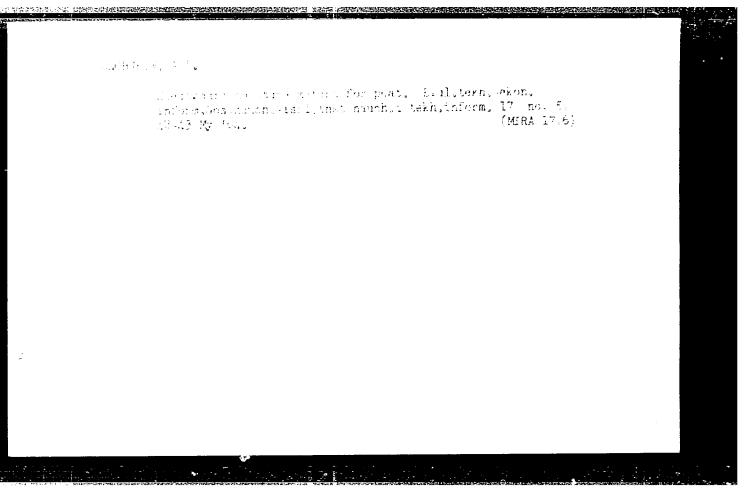
[114 t. (alculotela polyvi matike, m. ...) (translate)

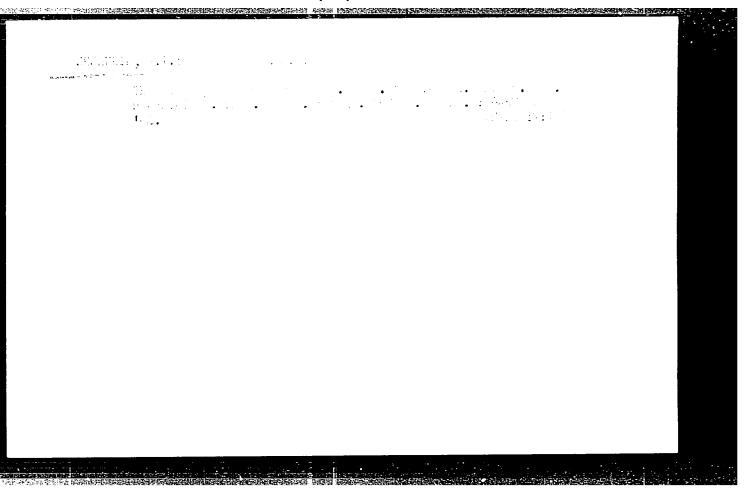
Chibanii, memory Itemersch (deceased), WERLIN, N.M., red.

[Automatic control of electric arives] avtomaticoscince
conserve elektroprivosmi. NonZva, Energia, 156., 487 p.

(MERA 10.9)







VALAROVICH, M.P. (Moskva); SHCHUKIN, A.I. (Moskva)

Use of nuclear magnetic resonance in determining the moisture content of disperse systems and the properties of bound water. Koll. zhur. 26 no.3:386-390 My.-Je '64.

(MIRA 17:9)

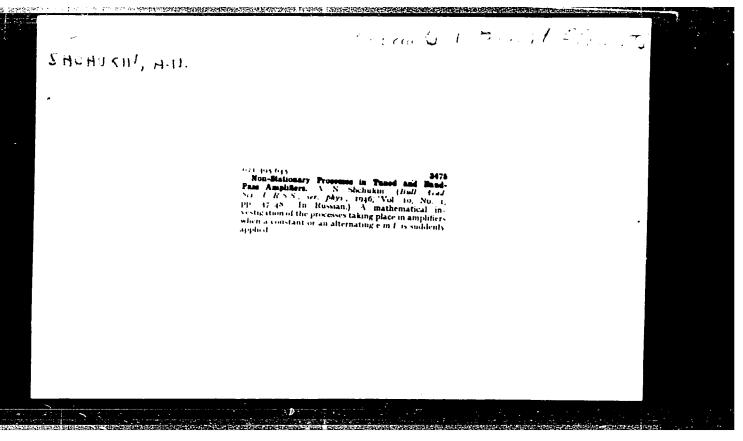
VOLAROVICH, M.P.; SHCHUKIN, A.I.

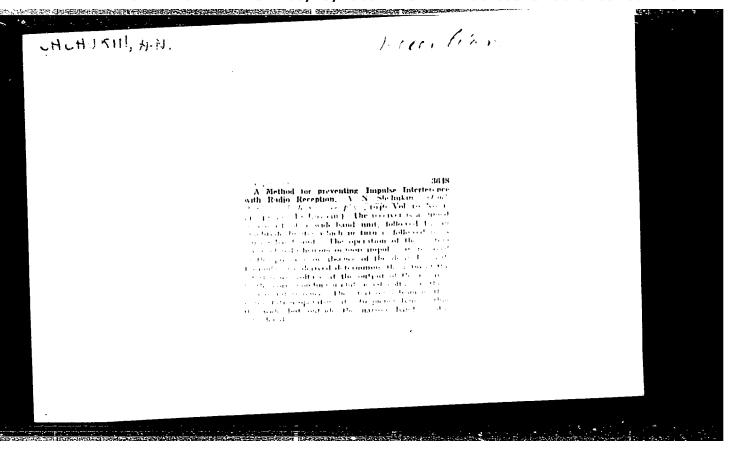
Use of the nuclear magnetic resonance method for determining the moisture of peat. Koll. zhur. 27 no.3:174-475 (MIRA 18:12)

1. Smolenskiy filial Nauchno-Issledovatel'skogo instituta teploenergeticheskogo priborostroyeniya. Submitted Nov. 12, 1964.

Name: SHCHUKIN, A.N.

Author of book, "Propagation Ultra-short Waves" This book contains the following: physical phenomena of ultra-short wave propagation, direct communication, ground wave, short skip, etc. This book is specifically designed for students at technical institutes.





SHCHUMIN, A. N.

"A. S. Popov and Contemporary Radio Engineering."

Radio, No 5, 1949. Corr. Memb. Acad. Sci. USSR, -1949-.

N

AID P - 4397

Subject

USSR/Radio

Card 1/1

Pub. 89 - 6/11

Author

Shchukin, A.

Title

: Pocket-size radio with triode transistor

Periodical

: Radio, 3, 40-42, Mr 1956

Abstract

The design of a pocket size superheterodyne receiver set mounted on triodes transistor and operating on a 20 v battery with a built-in magnetic antenna is discussed in great detail. Data on coils are given in a table.

Seven diagrams.

Institution:

None

Submitted

No date

PHASE I BOOK EXPLOITATION

S0V/4080

Teoriya veroyatnostey i eksperimental'noye opredeleniye kharakteristik slozhnykh ob"yektov (Theory of Probability and Experimental Determination of the Characteristics of Complex Objects) Moscow, Gosenergoizdat, 1959. 111 p. Errata slip inserted. 8,000 copies printed.

Ed.: V.I. Shamshur; Tech. Ed.: N.I. Borunov.

PURPOSE: This book is intended for students taking advanced courses in schools of higher technical education, and for engineers and scientific workers.

COVERAGE: The book gives a brief account of the theory of probability, and studies problems pertaining to quality control, reliability, and efficiency of various instruments and devices. The approach to a solution of these problems is illustrated by a number of examples. The author thanks F.V. Lukin, G.S. Narimanov, G.A. Tyulin and V.P. Shishov. There are 22 references: 21 Soviet and 1 English.

Card 1/3

Theory of Probability (Cont.) SOV/4080	
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Preface	3
I. Introduction. Fundamental theorems from the theory of probability.  Mean and mean-square values of random values. Dispersion	5
II. The binomial law of probabilities distribution and its characteristics	15
III. Continuous distribution of probabilities. Probability density. Dif- ferential and integral curves of the distribution of probabilities. Mean and mean square values and the dispersion of a random value in a continuous distribution	22
IV. Some examples of applying the theory of probability. "Reliability" of complex objects. Quality control problems. Reliability of component parts and the whole unit. Life (of a machine) and depreciation	29
Card 2/3	

Theory of 1	Probability (Cont.) SOV/4080	
V. Fundame Integra	ental laws of the distribution of probabilities. Poisson's law	·. 45
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4.1001	Itution of variables in distribution functions. Rayleigh's ibution. Distribution functions of several variables. Elliptibution. Spherical and ellipsoidal distribution	
VIII. Sele	ction of distribution functions on the basis of experimental de idence limits and confidence probabilities	•
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AVAILABLE:	Library of Congress	
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\$/194/62/000/004/096/105 2201/2508

69400

AUTHOR:

· Shchukin, A. N.

TITLE:

The effect of fluctuation noise on the accuracy of determining the coordinates by radio engineering

methods

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika, no. 4, 1962, abstract 4-7-14n (V sb. 100 let so dnya

rozhd. A. S. Popova, M., AN SSSR, 1960, 5-28)

TEXT: A simplified and physically clear analysis of the effect of interference and of useful signal fluctuations on the accuracy of determining angular coordinates and distance by radio engineering methods is given. Mathematically simple approximations, relating. the accuracy of coordinate determination to the energy of S, energy of fluctuations and to the parameters of the radio engineering system, are also derived. It is assumed that the strength S is substantially greater than the average level of fluctuating noise. The well-known relationships are given for the signal and fluctua-

Card 1/2

\$/194/62/000/054/036/166 D201/D308

The effect of fluctuation ...

的时间也不是可用是否的对抗的**的现在分词使到两种的现在分词的有效的** 

tion noise passing through a typical receiving installation with an amplitude detector and the so-called homodyne detector. It is assumed that such a receiver is used in all coordinate measuring arrangements. General formulas for the m.s. error in a given direction (of angular coordinates) are obtained, and are subsequently applied to two particular cases, when direction is determined by the equisignal zone and phase methods. Mean square errors in distance evaluation are determined for continuous and pulse signal methods. The results obtained are applied to the determination of probability that the object is situated in a given volume of space; this is achieved utilizing the fact that errors in the measurements of direction and of distance obey the normal law of distributions. Errors in determining the displacement velocity of the object are found, the errors being due to the presence of fluctuation noise. The effect of fluctuation of S on the accuracy of coordinate determination is estimated. / Abstracter's note: Complete translation. /

Card 2/2

PHASE I BOOK EXPLOITATION

SOV/ 5838

#### Shchukin, A.N.

Dinamicheskiye i flyuktuatsionnyye oshibki upravlyayemykh ob"yektov (Dynamic and Fluctuation Errors of Controlled Objects) Moscow, Izd-vo "Sovetskoye radio," 1961. 213 p. 7000 copies printed.

Ed.: N.G. Zabolotskiy; Tech. Ed.: B.V. Smurov.

PURPOSE: This book is intended for engineers interested in guiding systems and for students.

COVERAGE: The book determines the physical nature, character, and values of the deviation of guided objects from their predetermined ideal trajectory. Guided objects together with the complexity of the guiding media are considered as single systems possessing a limited number of parameters and characterizing the number of errors at various conditions of motion. The book also presents a qualitative evaluation of basic factors influencing the precision of guided objects. Physical processes occurring in systems containing guided objects are explained No personalities are mentioned. There are 13 references, all Soviet.

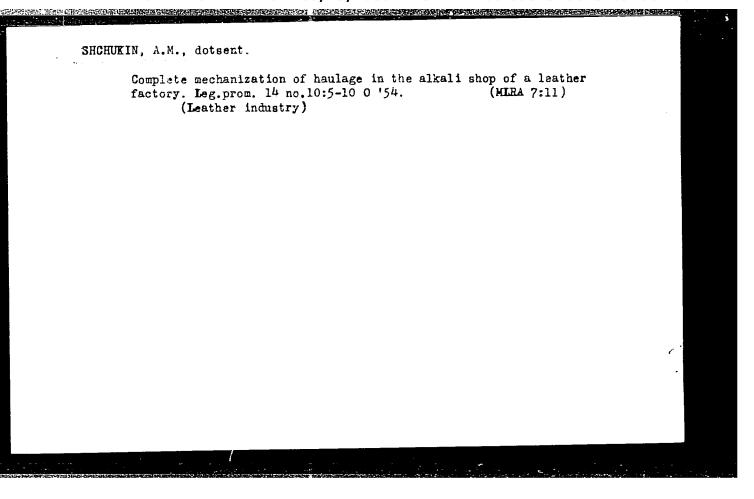
Card

AMESITY VICH, L.A., akademik; KMLDYSH, M.V., akademik; KAPITSA, P.L., akademik; TIL, B.M.; VLRESHCHAGIN, L.F.; PISTOL'KORS, A.A.; SHCHUKIN, A.N., akademik; SKOBMI'TSYN, D.V., akademik; ALEXSANDEOV, A.P., akademik; AMBARTSUMYAN, V.A., akademik; ZEL'DOVICH, Ya.B.; SEMENOV, N.N., akademik; KOTML'NIKOV, V.A., akademik; LIFSHITS, I.M.; VEKSIEF, V.I., akademik; GINZBURG, V.L.; MILLHONSHCHIKOV, N.D., akademik

Some problems in the development of modern physics; discussion of the work of the Pepartment of General and Applied Physics. Vest. AN SSSN 35 no.2:3-46 F 165. (MIRA 18:3)

1. Chleny-korrespondenty AN SSSE (for Vul, Vereshchagin, Pistol'kors, Lifshits, Ginzburg).

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001548920011-0"



ANDREYMV, Yevgeniy Timofeyevich; SHCHUKIN, Aleksandr Semenovich; SAUKHAT, I.G., redaktor; KEL'NIK, V.P. redaktor; KOVALENKO, N.I., tekhnicheskiy redaktor;

[The miner] Prokhodchik gornykh vyrabotok; uchebnoe posobie dlia shkol i kursov masterov gornorudnykh predpriiatii. Sverdlovsk, Gos. nzuheno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, Sverdlovskoe otd-nie, 1955. 320 p. (MIRA 9:4) (Mining engineering)

ad W.K., A. S.

SHOH KI., A. S. -- "The Selection an: Investigation of mational Types of Supports for Basic Horizontal Mine Mork under the Conditions of 'Puchashchiye' Mock in the Chelyabinsa Brown-Goal Basin." Min Higher Education USSK, Sverdlovsk Mining Inst imeni V. V. Vakhrushev. Sverdlovsk, 1956.
(Dissertation for the Degree of Candidate in Technical Sciences).

SO: Knizhnaya letopis', No 9, 1956

SHCHUKIN, A.S., kand, tekhn, nauk.

Determining rock pressure in adit-type excavations in bound soft and hard monolithic formations. Izv. vys. ucheb. zav.; gor. zhur. no.2:28-36 158. (MIRA 11:5)

1. Sverdlovskiy gornyy institut.
(Earth movements)

Sverdlovskiy gornyy institut.
 (Mine timbering)

SHCHUKIN, A.S., kand.tekhn.nauk

Modeling rock freezing processes. Izv.vys.ucheb.zav.; gor.
zhur. no.10:32-37 '58. (MIRA 12:8)

1. Sverdlovskiy gornyy institut.
(Geological modeling) (Frozen ground)

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FIDUREY, S. ..., Port., dektor tehin mank; SHCHEKTH, A.S., kard.tekin.nauk;
A.M.EKTHY, Ye. ... land t khn.rauk; GGRUNGW, B.F., starshiy
prepod watel: SIRYCV, V.S., assistent;
GLEV. B.C., assistent

Qualifications of a mine building engineer. Shakht stroi.
5 not/16 7 J. 101. (MIRA 15:5)

1 ...veedlove by porncy institut.
(Mining engineering)
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ALEKSEYEV, V.L., inzh.; POLOVOV, B.D., inzh.; SHCHUKIN, A.S., kand. tekhm. nauk

TO CONTINUE OF THE PROPERTY OF

Construction of a watertight barrier in a shaft by the underwater concreting method. Shakht. stroi. 8 no.5:25-28 My'64 (MIRA 17:7)

1. Trest Boksitstroy (for Alekseyev). 2. Sverdlovskiy gornyy institut (for Shchukin).

ALEKSEYEV, V.L., inzh.; POLOVOV, B.D., inzh.; SHCHUKIN, A.S., kand.tekhn.nauk

Ground cementation from the working face during vertical shaft sinking. Shakht.stroi. 8 no.11:25 N \*64.

(MIRA 18-1)

1. Trest Boksitstroy (for Alekseyev). 2. Sverdlovskiy gornyy institut (for Shchukin).

(MIRA 13:1)

SHCHUKIN, Anatoliy Yefimovich; DOBRIN, K.S., red.; SHCHETININ, V.D., red.; ROMANOVA, N.I., tekhn.red.

[Industry of the German Democratic Republic; its development and place in the socialist division of labor] Promyshlennost' Germanskoi Demokraticheskoi Respubliki; ee razvitie i mesto v sotsialisticheskon razdelenii truda. Moskva, Izd-vo IMO, 1959.

(Germany, East--Industries)
(Germany, East--Foreign economic relations)

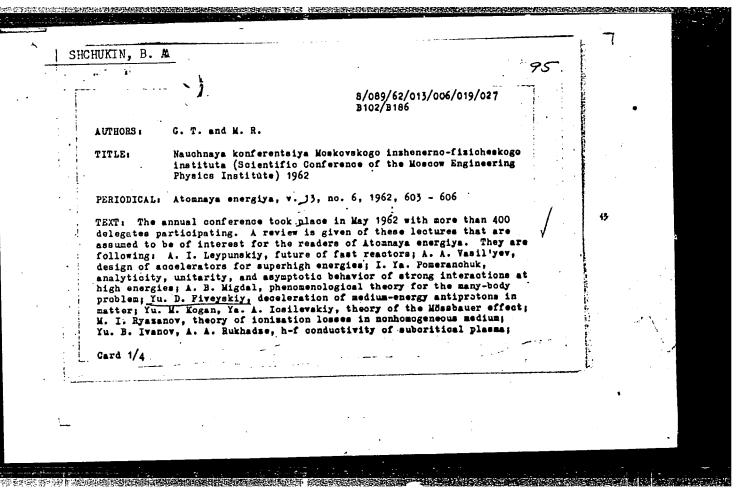
**化型器的复数形式 医内内内侧 医内内侧后外的外侧侧外侧侧侧侧侧侧侧侧侧侧侧** 

KHCKHLOV, I., instruktor; SHCHUKIN, B., starshiy inzh.

High-school education for every miner. Sov. shakht. 11 no.3: 36-37 Mr '62. (MIRA 15:5)

1. Otdel shkol Donetskogo oblastnogo komiteta Kommunisticheskoy partii Ukrainy (for Khokhlov). 2. Otdel kadrov i uchebnykh zavedeniy Donetskogo sovnarkhoza (for Shchukin).

(Donetsk Province--Coal miners--Education and training)



B. V. Pletnev, F. M. Spevakov, A. M. Stolov, supply of synchrot magnets; G. L. Saksaganskiy, V. Ya. Moiseyev, flanged separable sistant junctions of great diameter; B. G. Klimov, A. S. Vayrad V. P. Yevseyev, I. B. Mikhaylov, I. N. Afonskiy, B. N. Belov, Y.	ron electro-	• :
B. V. Pletney, F. M. Spevakov, A. M. Stolov, supply of synchrot magnets; G. L. Saksaganskiy, V. Ya. Moiseyev, flanged separable sistant junctions of great diameter: B. G. Klimov, A. S. Vayrad	ron electro-	•
magnets; G. L. Saksaganskiy, V. Ya. Moiseyev, flanged separable sistant junctions of great diameter: B. G. Klimov, A. S. Vayrad	ron electro-	
nov, B. I. Strelkov, Ye. V. Sedykh, B. A. Shchukin, optical price computer engineering technique; R. S. Nakhmanson, N. M. Roysin, M. E. Mostovlyanskiy, Yu. A. Volkov, electronics; Ye. L. Sulim, for electromagnetic flow-meter, V. M. Ovsyankin, V. M. Plushnik tion of varicondes for transforming d.c. into a.c.	s heat-re- iyan, (e. I, Mamo- inciples in ), transmitter	13
Card 4/4		
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1	
L 63255-65 EWT(d)/EPF(n)-2/EWP(v)/EWP(k)/EWP(h)/EWF(1) Po-4/Fq-4/Pf-4/Pg-4/Pac-2/Pu-4/Pk-4/Pl-4 IJP(c) WW/BC VP (0380/65/000/002/G123/0128	
ACCESSION NR: AP5012882	
AUTHOR: Aleksandrov, V. M. (Moscow); Batkov, A. M. (Moscow);	
Standardy A N (Moscow); Shchukin, B. A. (Moscow)	
TITLE: Determining the mathematical expectation and dispersion of the response	
of a multivariable nonlinear time-dependent system by computers	
SOURCE: AN SSSR. Izvestiya. Tekhnicheskaya kibernetika, no. 2, 1965, 123-128	
TOPIC TAGS: automatic control, automatic control design, automatic control	
system, automatic control theory	
ABSTRACT: The accuracy is considered of an automatic-control system describable by these normal differential equations:	
describable by these normal differential equations $\frac{dY}{dt} = F(t, Y) + R(t)f \qquad Y(0) = C, \tag{1.1}$	
dt = 1(1, 2) 1 2(1-1)	
where $Y = (y_i)$ is the column vector (system output); $F(t, Y) = (F_i(t, Y))$ is a	
and the section of th	
*73 /1) is the column vector representing the disturbance (white house with	
independent components); $Y(0) = C$ ; is a random vector of initial conditions	
Card 1/2	3

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001548920011-0"

L 63255-65 ACCESSION NR: AP5012882 noncorrelated to the disturbance vector. A method is suggested for setting up nonlinear differential equations (2.17) whose solution gives a vector of mathematical expectation and a dispersion matrix of the output signal in time; the output process is assumed to be close to normal. The method is claimed to be simpler in computations than the methods of statistical linearization with successive approximations or canonical random functions. If the nonlinear system (1.1) contains only single-variable nonlinearities, the expectation-and-dispersion equations (2.17) can be integrated on an analog computer. Generally, the method requires the use of a digital computer. For stationary conditions, the right-hand member of (2.17) is equal to zero, and the problem is reduced to solving a set of nonlinear algebraic equations. Orig. art. has: 1 figure and 42 formulas. ASSOCIATION: none SUB CODE: DP, IE ENCL: 00 SUBMITTED: 13Feb64 OTHER: 002 NO REF SOV: 003

Po-4/Pq-4/Pg-4/Pk-4/P1-4 L 34944-65 EWT(d)/EWP(1)IJP(c) BC 5/0103/65/026/003/0492/0499 ACCESSION NR: AP5008322 AUTHOR: Aleksandrov, V. M. (Moscow); Batkov, A. M. (Moscow); Staroverov, A. N. (Moscow); Shchukin, B. A. (Moscow) TITLE: Investigation of the accuracy of nonlinear nonstationary systems by means of the statistical linearization method SOURCE: Avtomatika i telemekhanika, v. 26, no. 3, 1965, 492-499 TOPIC TAGS: automatic control, nonlinear, nonstationary control system, statistical linearization method ABSTRACT: A study is made of a control system whose performance is described by the system of nonlinear differential equations written in normal vector form  $\frac{dY(t)}{dt} = F(t, Y) + B(t)f(t),$ (1) Y(0) = Cwhere the components of the vector Y(t) represent processes at the output of the system, components of the vector f(t) represent independent random processes of white noise type at the input of the system, F(t, Y) is an inertia-free, nonlinear Card 1/2-

L 34944-65

ACCESSION NR: AP5008322

transformation vector, C is a vector of normally distributed initial conditions, and B(t) is an m + n matrix of variable coefficients. To determine the accuracy of system (1), the variation in time of the mathematical expectation vector  $\overline{Y}(t)$  and the variance vector O(t) of the vector random process Y(t) are sought. It is indicated that this problem has a simple solution when the transformation F(t, Y) is linear. System (1) is written for this case and a system of differential equations is derived from which Y(t) and  $\theta(t)$  can be solved. It is shown how, using the method of statistical linearization (approximation of the nonlinear transformation F(t, Y) by a certain form of linear transformation Z(t)), system (1) can be reduced to the form derived for the linear case and how a system of nonlinear differential equations for direct determination of  $\overline{Y}(t)$  and  $\theta(t)$  can be constructed which is amenable to solution on a digital computer. It is stressed that the method presented is more economical and has other advantages as compared with the methods presented by other authors. Orig. art. has: 29 formulas. [IK]

ASSOCIATION: none

SUBMITTED: 20Mar64

ENCL:

SUB CODE: IE MA

NO REF SOV: 003

OTHER: 001

ATD PRESS:3211

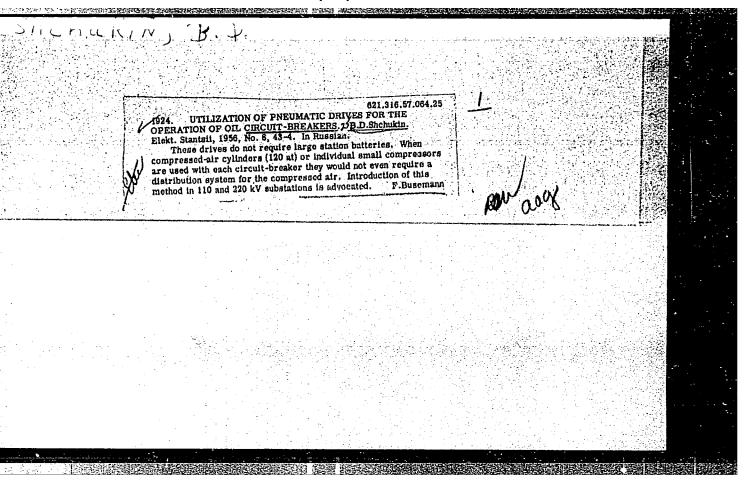
Card 2/2

SHCHUKIN, B.D., inzhener.

Using storage batteries as starters in temporary substations.

Elek.ste. 25 no.5:47 My 154. (MLRA 7:6)

(Storage batteries) (Electric substations)



MUSATOV, T.P. inzh.; SHCHUKIN, B.D.; FIKSMAN, S.I. (Odessa)
GETSHKOVICH, S.F.; SHHELE, R.V.; DODIN, Ya.I.; ZEYLIDSON,
Ye.D.

Problem of automation and remote control in industrial substations. Prom.energ. 12 no.8:1-7 Ag '57. (MIRA 10:10)

1.Stalinskiy setevoy rayon Donbassenergo (for Musatov).
2.Gidroproyekt, g. Kuybyshev (for Shchukin). 3.Novo-Zemerovskiy
khimkombinat (for Gershkovich). 4.Novosibirskoye otdeleniye
Gosudarstvennogo proyektnogo instituta Elektroproyekt (for Shnell').
5.Leninogorskiy polimetallicheskiy kombinat (for Dodin).
6.Tekhnicheskoye upravleniye Ministerstva elektrostantsiy (for
Zeylidzon).

(Electric power) (Automatic control)

YERMIOV, A.A., inzh; SEULIN, N.A., inzh; CHIZHISHIN, P.L., inzh.; CHEFELE, Yu.M., inzh.; MUSATOV, T.P., inzh.; FEDOROV, A.A., kand.tekhn.nauk; YAROSHETSKIY, L.M., inzh.; GOL'IEMBILAT, B.I., inzh.; KUDHYASHOV, S.A., inzh.; ZAKHAROV, N.M., inzh.; SHCHUKIN, B.D., inzh.

Improving planning of industrial power supply. Prom. energ. 13 no.7; 18-29 Jl '58. (MIRA 11:10)

1. Tyazhpromelektroproyekt. (for Yermilov). 2. Zhemproyektas, g. Kaumas (for Chepele). Donbassenergo (for Musatov). 4. Moskovskiy energeticheskiy institut (for Fedorov). 5. Uzgiprevedkhoz. g. Tashkent (for Yaroshetskiy). 6. Proyektnyy institut Ministerstva stroitel'stva USSR, ddessa (for Gol'denblat). 7. Elektroproyekt, g. Kuybyshev (for Kudryashov). 8. Gosradioelektronika (for Zakharov). 9. Bidreproyekt, g. Kuybyshev (for Shchukin). (Electric power)

AUTHOR:

Shchukin, B.D. (Engineer)

SOV/94-58-9-6/3n

TITLE:

6-10 kV transformers with built in change-over switches

(Transformatory 6-10 kv so vstroyennymi pereklyuchatelyami)

PERIODICAL:

Promyshlennaya Energetika, 1958, No.9. pp. 18-19

ADSTRACT:

The power supply system layout used at an oil refinery built in 1945 is illustrated schematically in Fig.1. This layout is based on the use of imported transformers with built-in change-over switches

connected through trifurcating boxes as shown in Fig.2. The transformers are hermetically sealed and filled with pyranol. There is

a two-position change-over switch on the 6 kV side and an interlocked automatic circuit breaker on the 400 V side. When transformers of this construction are available dual supply throughout the refinery is very easily arranged. Such transformers could also be used in urban supply systems and many other cases. If Soviet transformers of this kind were made, package sub-stations could be made more cheaply.

There are 3 figures.

ASSOCIATION: Gidroproyekt, Kuybyshev

1. Transformers--Design 2. Transformers--Control systems

3. Transfer switches--Applications

Card 1/1

SHCHUKIN, B.D.

Simplified method for calculating short-circuit currents in 6 to 10 kv. systems. Prom. energ. 15 no.7:39-41 J1 '60. (MIRA 15:1)

1. Vsesoyuznyy proyektno-izyskatel'skiy i nauchno-issledovatel'skiy institut im. S.Ya. Zhuk Ministerstva stroitel'stva elektrostantsiy SSSR, Kuybyshev.

(Electric power distribution)

The amplified DC a	signal from the measu In this capacity to t	ersion factor of the ring device is utilize the excitation winding vibrator-controlled p	ed as a control; of the generato	sig- r in
meters of the devi	lation of motor RPM f on the frequency prin	rom the established viciple. Orig. art. ha	ralue in automati	c control
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